

Meeting Summary for NARM

Elementary GLOBE Partners Meeting

February 24-25

Hosted by NASA's Langley Research Center in Hampton, VA



Why do we do Elementary GLOBE?

- It's Not scary
- Experience real science
- Cross-curricular integration
- STEM career aspirations
- Inspiration for exploration into future grade levels
- Identify as a scientist
- Hands-on
- Fun and relevant
- Foundation for learning
- Public education starts at K
- Basic experiences all kids should have
- Get them hooked early
- Trojan horse w/in science literacy
- Inquiry-based
- Gateway to science for rest of their lives



Elementary GLOBE Partners Meeting

- **Mission Sponsors:** SAGE III on ISS (Kristyn Damadeo) and CALIPSO (Jessica Taylor)
- **Meeting Goals:**
 1. Introduce and get feedback on the new aerosol resources
 2. Build a community of practice and identify best practices for Elementary GLOBE
- **Planning Committee**
 - Jen Bourgeault, Lin Chambers, Tina Harte, Becca Hatheway, Lynne Hehr, Tom Hunt, Lynn Vaughan Reeves, Kristin Wegner, Alisa Wickliff



Participants

Jennifer Bourgeault, Lin Chambers, Georgia Cobbs, Sarah Crecelius, Kristyn Damadeo, Nicomas Dollar, Peggy Foletta, Augustine Frkuska, Lisa Gardiner, Tina Harte, Becca Hatheway, Mikell Lynne Hedley, Lynne Hehr, Thomas Hunt, Michael Jabot, Janelle Johnson, Teresa Kennedy, Anne Lewis, John Moore, Margaret Pippin, Peter Schmidt, Rick Sharpe, Jessica Taylor, Todd Toth, Lynn Vaughan Reeves, Kristin Wegner, Alisa Wickliff



Day 1 Summary: The *What*

- Meeting your GLOBE Community
- Existing Elementary GLOBE Materials
- Share-a-thon: Community Developed Materials
- Future NASA Mission: SAGE III on ISS
- Future Elementary Sky Color Materials
- Aerosol Science Discussion



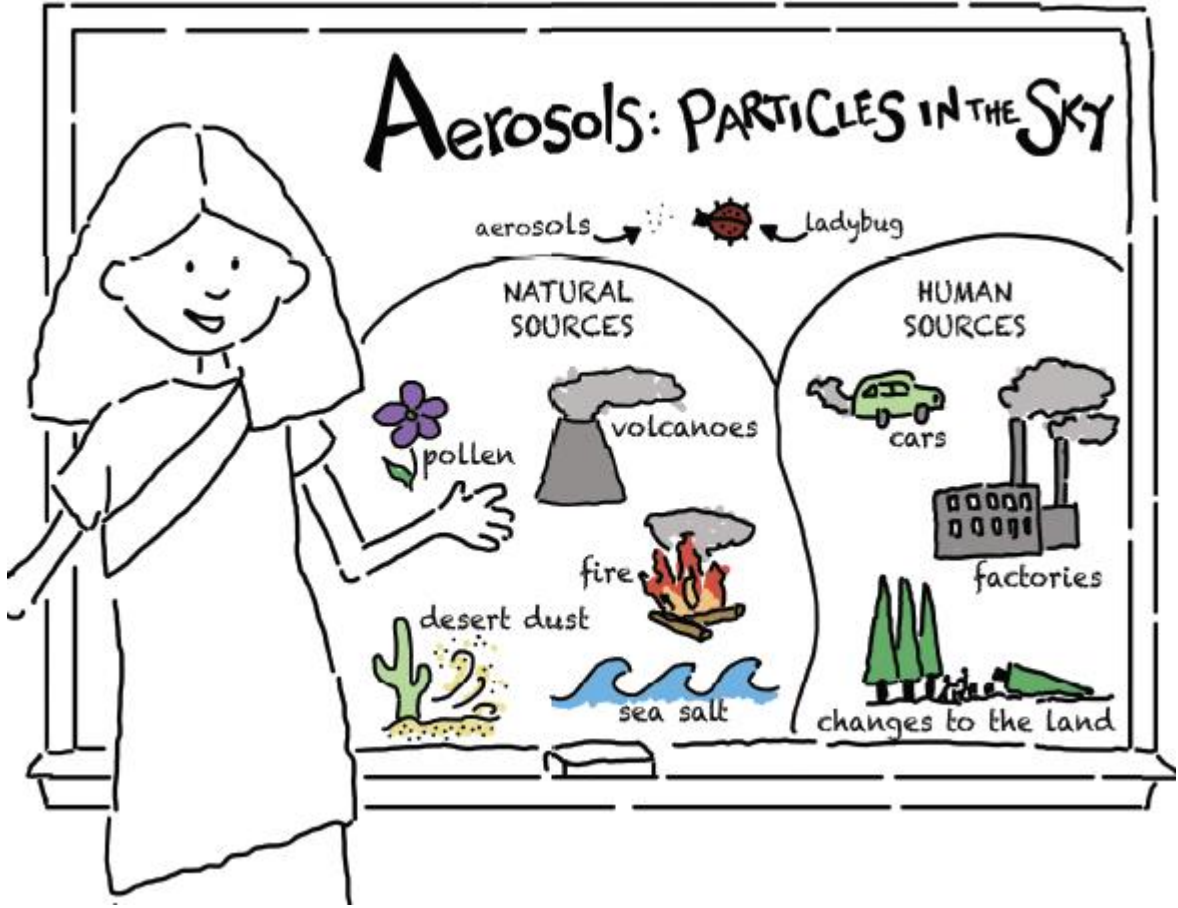
Elementary GLOBE Storybook Stations



Share-a-thon: Community Resources

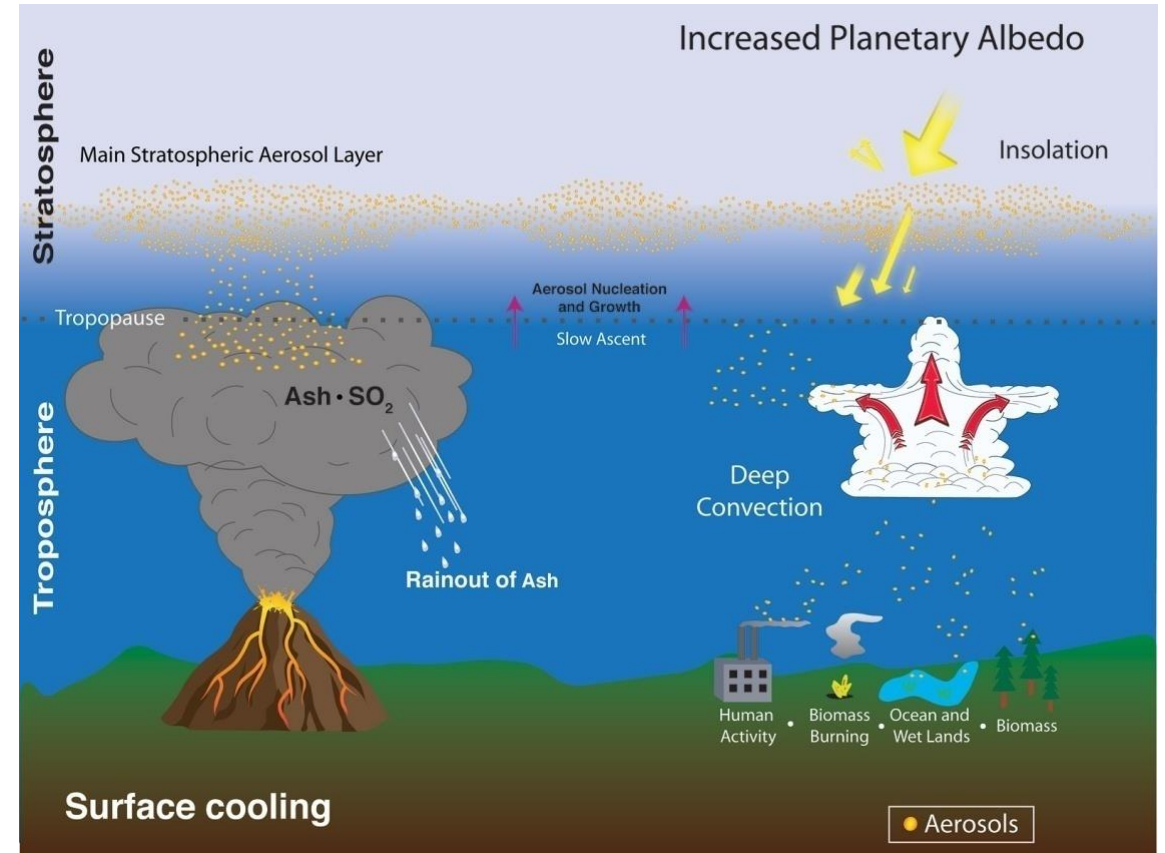
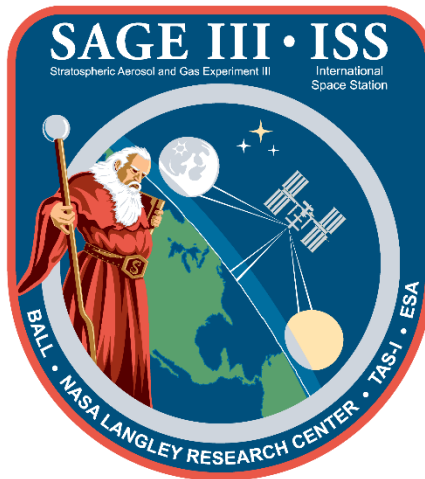


Preview and Feedback New Sky Color Storybook and Webstory



NASA Science

- SAGE III on ISS
- Understanding Aerosols



Day 2 Summary: The *Why* and *How*

- How Elementary GLOBE fits within Bigger Picture
- Panel Discussion from Trainers on School Implementation
- Example Training Agendas
- Training Discussion – Survey Summary
- Working Groups



Discussion of Bigger Picture

- Standards
- Professional Development Hrs for Elementary Teachers
- Framework
 - Practices
 - Crosscutting Concepts
- Disciplinary Core Ideas
- Nature of Science (NOS)
- Engineering
- Math
- ELA
- What's Authentic



Community Discussions of *How*

- Panel – Examples of School Implementation
- Sharing Training Agendas (1Day, 2Day, 5Day)
- Training Discussion w Review of Questionnaire
 - Questionnaire – Not as much familiarity with Learning Activities for the Storybooks. Hummingbird Storybook least familiar.
 - Panel Discussion - How the teacher training evolves over time spent with the teachers
 - Community Questions
 - What elements need to go into a training?
 - Do we want to build consistency across the community?
 - Include Protocol Training or Not? What about Data Entry?



Working Groups

1. Sky Color Storybook and Suggested Resources
2. Cross curricular Connections
3. Promoting Data Entry



Action Items

- Skycolor Storybook and Resources
 1. Identify major concepts and develop “learning activity” resources
 2. Storybook and Observation Sheet Teacher pilot with UCAR
 3. NASA Langley to work on Teacher Kits
- Crosscurricular Connections
 1. Partners host Booth or Session at Literacy conferences (ELL, International, Reading strategies) Booth
Availability of books, \$200
 2. Develop New Learning Activities that are Engineering focused
Create a guide, worksheets, list of simple materials as supplements to the books
Re-purpose existing GLOBE activities (build a thermometer, instrument shelter, rain gauge...)
- Data Entry
 1. Partners need to get familiar with data entry
 2. Partners need to include this in their training
 3. Remember options available: e-mail, spreadsheets
 4. Remember: It’s not science unless you share your results/data



What did you like most about the meeting?

- **“It was important to have person to person networking, especially from such a diverse group of Partners.”**
- **“Learning best practices in elementary professional development from experts.”**
- **“Access to scientists.”**
- **“Having a voice on future resources being developed.”**
- **“Seeing all the example resources and activities.”**



Thank you – Any Questions?

